UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/865,451	05/29/2001	Hatsuo Machida	35.G2806	3795

5514   7590   12/16/2004

FITZPATRICK CELLA HARPER & SCINTO
30 ROCKEFELLER PLAZA
NEW YORK, NY 10112

EXAMINER
ADAMS, JONATHAN R

ART UNIT	PAPER NUMBER
2134	

DATE MAILED: 12/16/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE _3_ MONTH(S) FROM
THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed
  after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any
  earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on _20 May 2001_.

2a)☐ This action is **FINAL**.   2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is
closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☐ Claim(s) _____ is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) _1-46_ is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All   b)☐ Some * c)☐ None of:

      1.☐ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____.

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage
application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)

2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
    Paper No(s)/Mail Date _____.

4) ☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date. _____ .

5) ☐ Notice of Informal Patent Application (PTO-152)

6) ☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 102

1.   The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that

form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2.   Claims 1-10, 14, 16-25, 29, 31-40, 44, 46 rejected under 35 U.S.C. 102(b) as

being anticipated by Kadooka, US Patent No 5606663 (hereafter referred to as '663).

3.   As to claim(s) 1, 46:

'663 teaches a computer password authentication/update system comprising:

- Storing registered signature data / Previously set passwords (Col 2, Line 23,

  '663), Currently used password stored in password hysteresis memory unit (Col

  2, Line 15, '663)

- Comparing entered signature data with registered signature data to calculating

  an evaluation value / Receiving updated password from input unit searching

  passwords stored in the password hystersis memory unit to check whether or not

  the same password exists among the passwords so far set, updating the

  password if it does not (Col 2, Lines 21-26, '663), stored date and time of

  availability period (Col 3, Line 54-55, '663)

- Determine authentication based on signature evaluation value / comparing current date and hour and the availability period of a current password (Col 3, Line 8-10, '663)

- Determining aging based on evaluation value / If the update period for the current password expires update processing unit invalidates the password (Col 3, Line 24-25, '663)

4. As to claim(s) 2:

Storing evaluation values calculated in the past with dates as list / Adding the evaluation value to list / Determining if aging has occurred after value is added to list / Receiving updated password from input unit searching passwords stored in the password hystersis memory unit to check whether or not the same password exists among the passwords so far set, updating the password if it does not (Col 2, Lines 21-26, '663), stored date and time of availability period (Col 3, Line 54-55, '663)

5. As to claim(s) 3:

Determining age when authentication is successful / when a password is entered into the computer system to log it in the current date and hour given from the chronometric unit and the available period of the currently used password are checked (Col 2, Lines 11-17, '663)

6. As to claim(s) 4:

Requesting re-registration of registered signature when aging has occurred / if the

password is in its updating period, notifies said update processing unit 5 of a request for

password updating (Col 3, Line 7-11, '663)

7.   As to claim(s) 5:

Issuing a warning when aging has occurred / Display unit displays change request

messages and reentry request messages (Col 3, Line 27-28, '663)

8.   As to claim(s) 6:

Aging has occurred when value is over prescribed criterion / If the update period for the

current password expires update processing unit invalidates the password (Col 3, Line

24-25, '663)

9.   As to claim(s) 7:

Adding determination calculates an estimated value for the next run of signature

process based on data list / Figures out the average access interval for the user (Col 4,

Line 6, '663)

Aging has occurred when value is over prescribed criterion / If the update period for the

current password expires update processing unit invalidates the password (Col 3, Line

24-25, '663)

10.   As to claim(s) 8:

Projected date for next run of signature authentication based on date stored in data list/

The frequencies of user X's and user Y's accesses to the system are taken into account

in prescribing all these available periods (A), (A') and (A"). (Col 3, Line 46-49, '663)

11.   As to claim(s) 9:

Age determination based on prescribed period of time from storage of registered

signature / The frequencies of user X's and user Y's accesses to the system are taken

into account in prescribing all these available periods (A), (A') and (A"). (Col 3, Line 46-

49, '663)

12.   As to claim(s) 10:

Aging determined when elapsed time since last successful authentication to current

successful authentication is over prescribed period of time / If the update period for the

current password expires update processing unit invalidates the password (Col 3, Line

24-25, '663)

13.   As to claim(s) 14:

Stored signature data includes initial signature and last successful signature / /

Previously set passwords (Col 2, Line 23, '663), Currently used password stored in

password hysteresis memory unit (Col 2, Line 15, '663)

Comparing entered signature data with initial signature data and last signature data to

calculate respective evaluation values to determine successful authentication /

Receiving updated password from input unit searching passwords stored in the

password hystersis memory unit to check whether or not the same password exists

among the passwords so far set, updating the password if it does not (Col 2, Lines 21-

26, '663), stored date and time of availability period (Col 3, Line 54-55, '663).

Aging determined by evaluation values calculated from comparison of entered signature

data with initial signature data / If the update period for the current password expires

update processing unit invalidates the password (Col 3, Line 24-25, '663)

14.   Claims 16-30 and 31-45 correspond to claims 1-15

15.   Claims 1-6, 11-15, 16-21, 26-30, 31-36, 41-46 rejected under 35 U.S.C. 102(b)

as being anticipated by "Unix Digital Security" (hereafter referred to as UDS).

16.   As to claim(s) 1, 46:

UDS teaches a computer password authentication/update system comprising:

- Storing registered signature data / Password usage history (Page 2, Section

    1.1.2, UDS)

- Comparing entered signature data with registered signature data to calculating

    an evaluation value / Determine authentication based on signature evaluation

    value / Determining aging based on evaluation value / Configurable password

    lifetime (Page 4, Section 6.3.2, UDS)

17.   As to claim(s) 2:

Storing evaluation values calculated in the past with dates as list / Adding the evaluation

value to list / Determining if aging has occurred after value is added to list / Password

usage history (Page 2, Section 1.1.2, UDS) , Recording date, time, terminal,

unsuccessful login attempts (Page 1-2, Sections 1.1.1 and 1.1.2, UDS)

18.   As to claim(s) 3:

Determining age when authentication is successful / the password is valid until the

expiration time is reached (Page 6, Section 2.2.3, Line 8, UDS)

19.   As to claim(s) 4:

Requesting re-registration of registered signature when aging has occurred / You must

request your ISSO to unlock your account and change your password when you next

log in (Page 6, Section 2.2.3, Line 14, UDS)

20.   As to claim(s) 5:

Issuing a warning when aging has occurred / if the lifetime passes the account is

disabled. If you try to login to a disabled account, the system displays an appropriate

message (Page 6, Section 2.2.3, Line 14, UDS)

21.   As to claim(s) 6:

Aging has occurred when value is over prescribed criterion / if the lifetime passes the

account is disabled. If you try to login to a disabled account, the system displays an

appropriate message (Page 6, Section 2.2.3, Line 14, UDS)

22.   As to claim(s) 11:

Aging determined when number of runs corresponding to failed authentication is over a

prescribed number/ Automatic account lockout after a specified number of consecutive

bad access attempts (Page 5, Line 8, UDS)

23.   As to claim(s) 12:

Aging determined when addition of failed authentications exceeds prescribed number

within prescribed period / Automatic account lockout after a specified number of

consecutive bad access attempts (Page 5, Line 8, UDS), if the lifetime passes the

account is disabled. If you try to login to a disabled account, the system displays an

appropriate message (Page 6, Line 14, UDS)

24.   As to claim(s) 13:

Aging determined when rate of change of failed authentications exceeds prescribed rate

/ Automatic account lockout after a specified number of consecutive bad access

attempts (Page 5, Line 8, UDS). If specified number is 1 the rate changes, and aging is

determined.

25.   As to claim(s) 14:

Stored signature data includes initial signature and last successful signature / Password

Control: configurable password usage history (0-9 previously used passwords) (Page 4-

5, Section 6.3.2, UDS)

Comparing entered signature data with initial signature data and last signature data to

calculate respective evaluation values to determine successful authentication / Aging

determined by evaluation values calculated from comparison of entered signature data

with initial signature data / Controlling new passwords based on the password usage

history references previous passwords

26.   As to claim(s) 15:

Entered data are transmitted from a client via a network / You can use the Network

Information Service (NIS) to centralize the management of the password, group, and

extended profile information. A NIS master server can serve an environment of NIS

clients (Page 4, Section 9.3, UDS)

27.   Claims 16-30 and 31-45 correspond to claims 1-15

Conclusion

28.   Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Jonathan R Adams whose telephone number is

(571)272-3832. The examiner can normally be reached on Monday – Friday from 10am

to 6pm.

29.   If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Gregory Morse, can be reached on (703) 308-4789. The fax phone number

for the organization where this application or proceeding is assigned is (571)272-3838.

Any inquiry of a general nature or relating to the status of this application or proceeding

should be directed to the receptionist whose telephone number is (703) 305-3900.

GREGORY MORSE
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100